NHERI GSC Fall Research Working Group Meeting

Thursday, November 3
11:00am CST

Taylor Heath
Chair of Research

Rakesh Salunke
Vice Chair of Research
Agenda

I. Previous and Upcoming Events

I. Presentation of Possible Future Events and Opportunities

I. Discussion and Feedback for New Workshops and Opportunities
Previous and Upcoming Events
We are excited to announce that our first workshop will be:

Building response analysis under earthquake ground motion (EE-UQ)

Thursday, November 10
11:00am CST
NHERI GSC DesignSafe and SimCenter Tools Workshop Series

Register for the NHERI GSC & SimCenter Research Tool Workshop Series here!

NHERI GSC DesignSafe and SimCenter Tools Workshop Series

- Generally the second Friday of every month
- Topics (in no particular order):
  - Machine Learning and AI Resources (Jupyter, Interactive Data Analytics, HPC)
  - Developing and benchmarking new fragility and consequence functions (PBE)
  - Simulation of regional hurricane impact (R2D)
  - Data Analysis using Next Generation Liquefaction (NGL) Database (NGL, Jupyter, SQL, Interactive Data Analytics)
Natural Hazards Research Summit
Lifting the Curtain of Academic Publishing Panel

NHERI Science Plan

Best Publishing Practices, Conferences & Journals

Data Publishing

Publishing Mentor, Peer Review, & Rejection

Tracy Kijewski-Corra
STEER Network Director
Pulte Institute for Global Development Director
Professor of Eng. & Global Affairs
University of Notre Dame

Jennifer Bridge
PI NHERI Boundary Layer Wind Tunnel
Assoc. Professor of Civil & Coastal Eng.
University of Florida

Tim Cockerill
Texas Advance Computing Center
Director of User Services
& Center Programs
University of Texas at Austin

Lori Peek
PI CONVERGE, SSEER, & ISEEER
Director of Natural Hazards Center
Professor of Sociology
University of Colorado Boulder
Events In-Development
Academic Publishing: Follow-up Workshop

• Follow-up workshop: date TBD
  – Tentative format: presentation of summary of information from the publishing panel and workshop to generate collaborative, publishable research agendas

• Deliverables
  – Synopsis of panel discussion
  – Spreadsheet of natural hazards journals and conferences across disciplines
Mini-Conference and Collaborative Research Challenge

- Major goal: Virtual mini-conference based on a collaborative, interdisciplinary research challenge in March 2023
- Guidelines
  - Topics to be selected from NHERI Science Plan and CONVERGE modules focusing on major challenges in the natural hazards field
  - Groups assigned by WG leadership to match research interests and emphasize interdisciplinary groups
  - Poster or full-paper submissions accepted
Mini-Conference and Collaborative Research Challenge

- Tentative Timeline (subject to change):
  - Challenge posted mid-November 2022
  - Challenge closed end-of-November 2022
  - Groups formed beginning of December 2022
  - Abstracts due beginning of February 2023
  - Conference towards end of March 2023
Works-in-Progress Workshops

- Virtual workshops in which members can share ongoing research at various stages of design
- Target: once per semester or once every three months
NHERI Experimental Facilities Panel

- Invite NHERI site coordinators to discuss opportunities for graduate students to:
  - Get involved at different NHERI facilities
  - Pursue ongoing or new research projects
  - Attend or participate in upcoming workshops
- Date: TBD in spring semester
Member Suggestions!
Member Planning and Suggestions

- Mini-conference
  - Faculty review abstracts for mini-conference
  - Groups based on research interests!
  - DOI through DataDepot, conference website for participating presenters
- Writing workshops/writing accountability groups
- Accepting abstracts for other research (i.e. dissertation research)
- Professionalization workshops (resume/CV writing)
  - Include scholars across disciplines (social science and engineering)
  - Collaboration with W&M working group
  - Having exemplar CVs/resumes
  - Applying for post-docs/lecturer/assistant professor track jobs (job market workshop(s))
  - Networking
  - Bringing in folks outside of NHERI network who specialize in these things
- Bank of ideas for research topics with names for folks to reference to find potential collaborators (general research interests/specific research topics)
  - Living google document, sharepoint document?
- Research speed-dating!
- Abstract speed-dating
  - 5-10 minutes with the group giving the pitch on their abstract with faculty to get rapid feedback
- Highlight members in a newsletter/at meetings
Thank you!

Taylor Heath
Chair of Research
theath@sas.upenn.edu

Rakesh Salunke
Vice Chair of Research
rakesh.salunke@students.jsums.edu
Invite Your Friends, Get Involved in NHERI GSC!

Invite your friends to join NHERI GSC!


Join NHERI GSC Working Groups!

<table>
<thead>
<tr>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robin Nelson</td>
</tr>
<tr>
<td>Nurullah Bekktas</td>
</tr>
<tr>
<td>Nancy Ingabire Abayo</td>
</tr>
<tr>
<td>Tay Heath</td>
</tr>
<tr>
<td>Rakesh Salunke</td>
</tr>
<tr>
<td>Jasmine Bekkaye</td>
</tr>
<tr>
<td>ASHRAY SAXENA</td>
</tr>
<tr>
<td>Amber Spears</td>
</tr>
<tr>
<td>Mohamed</td>
</tr>
<tr>
<td>Holly Davies</td>
</tr>
</tbody>
</table>
The NHERI Network Coordination Office is supported by the National Science Foundation award CMMI 2129782. Any statements in this material are those of the presenter(s) and do not necessarily reflect the views of the National Science Foundation.